



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

TOWN OF CUMBERLAND BUCK CREEK INTERCEPTOR – EAST BRANCH PROJECT ADDENDUM #1 SRF PROJECT WW 09 22 30 01

DATE: June 4, 2010

COMMENTS MUST BE RECEIVED BY: July 5, 2010

I. INTRODUCTION

The above entity has applied to the Clean Water State Revolving Loan Fund (SRF) for a loan to finance all or part of the wastewater project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Clean Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Max Henschen
Senior Environmental Manager
State Revolving Fund -- IGCN 1275
100 N. Senate Ave.
Indianapolis, IN 46204
317-232-8623

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address:	Town of Cumberland Buck Creek Interceptor – East Branch Project Addendum #1 11501 East Washington Street Cumberland, IN 46229
SRF Project Number:	WW 09 22 30 01
Authorized Representative:	D. Jeffrey Sheridan, Town Manager

II. PROJECT LOCATION

The Buck Creek Interceptor – East Branch Project is located south of U.S. 40 and east of Carroll Road/County Line Road southeast of Cumberland, Sugar Creek Township, Hancock County. The State Revolving Fund (SRF) Loan Program approved the original interceptor/lift station project on August 9, 2009. Addendum #1 describes the addition of a sanitary sewer stub and a sanitary sewer extension to the approved project; the sewer stub and new sewer will be in Section 1, Range 5 East, Township 15 North in the Cumberland USGS quadrangle. Figure 1 illustrates the approved project, as well as the two additions described in Addendum #1:

1. A new sanitary sewer stub has already been installed, connecting to the approved, but not yet activated, lift station near County Road 700W and the CSX railroad tracks. See Figure 2.
2. A sanitary sewer extension will be installed approximately 1,750 feet east of the proposed lift station. The sewer will extend approximately 900 feet north of the approved interceptor to just south of U.S. 40.

III. PROJECT NEED AND PURPOSE

The sewer stub at the lift station will enable future connections to the Buck Creek Interceptor East Branch at a manhole connection, rather than at the lift station, which would require drilling into the wet well, as well as a potential shut-down of the lift station or bypass of flows to make the connection.

The sewer extension to the north will allow Cumberland to serve the Eastway Court Apartment complex, which is served by an antiquated package-type wastewater treatment plant (WWTP). The Indiana Department of Environmental Management (IDEM) recently issued a Notice of Violation to the complex owners for numerous WWTP deficiencies and violations. The apartment complex will connect to the Cumberland sewer system and abandon its WWTP, thus eliminating bypasses of untreated sewage into Breier Creek.

IV. PROJECT DESCRIPTION

The sanitary sewer stub at the lift station commenced at the wet well center. From that point, approximately 60 feet of 12-inch SDR-26 PVC pipe was installed north to a new manhole. From the new manhole, an additional 60 feet of 12-inch SDR-26 PVC pipe was installed west to a second new manhole. See Figure 2.

To accommodate the new sewer to the apartment complex, proposed Manhole 14 will be moved approximately 100 feet east along the interceptor. From this new location, the sanitary sewer line will travel north to the apartment complex. A total of 901 feet of 12-inch SDR-26 PVC pipe and three sanitary manholes will be installed.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

Sewer and manholes near the lift station:

Item	Quantity	Price	Total
12-inch SDR-26 with granular backfill	60 feet	\$284/ft	\$17,040
12-inch SDR-26 w/out granular backfill	60 feet	\$66/ft	\$3,960
Manholes	2	\$4,825	\$9,650
TOTAL			\$30,650

North Sewer Extension:

Item	Quantity	Price	Total
Clearing		\$2,000	\$2,000
12-inch SDR-26 with Granular Backfill (RR Crossing)	30 feet	\$310/ft	\$9,300
12-inch SDR-26 Open Cut	871 feet	\$67/ft	\$58,400
Manholes	3	\$3,500	\$10,500
Connect to Manhole 14		\$3,900	\$3,900
Grade/Seed and Mulch	7,200 yd ²	\$1.50/yd ²	\$10,800
Mobilization/Demobilization/Miscellaneous		\$14,000	\$14,000
Land Acquisition/Easements*		\$4,000	\$4,000
Engineering		\$12,000	\$12,000
Construction Inspection		\$8,000	\$8,000
TOTAL			\$132,900

*Note: Land Acquisition/Easements cost includes only professional fees to prepare and acquire the easement. They do not include the cost of the land/easement itself, which is an SRF-ineligible expense.

- B. The proposed changes to the approved project will be financed with the contingency amount included in the town's existing loan and from local funds, if necessary. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

Sewer Stub and Manholes at Lift Station Site: The *No Action Alternative* was considered. However, it was rejected due to the high costs of the alternative to core drill and bypass flows at an active lift station in the future. The cost-effective option with the least environmental impact was to install the additional sewer.

Relocation of Manhole 14 in Existing Plans and New Line to Apartment Complex: The *No Action Alternative* is not feasible because the apartment complex has recently been issued a Notice of Violation by IDEM. The current package-type WWTP is not in suitable condition for future use. The proposed alternative is the cost-effective, environmentally sound alternative.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Undisturbed/Disturbed Land: The sewer added at the lift station was placed in an area covered by the archaeological survey for the original SRF-approved project. A second Archaeological Report was completed on the sewer route to the apartment complex. No archaeological sites were located within this additional project area.

Structural Resources (see Figure 3): The projects will not affect historic structural resources. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

Surface Waters: The projects will not adversely affect Natural, Scenic, or Recreational Rivers and Streams, Waters of High Quality, or Exceptional Use Streams.

Wetlands: There are no wetlands in the project area.

100-Year Floodplain: The projects will not take place in a floodway or floodplain.

Groundwater: Dewatering may be required to temporarily lower the groundwater table for the installation of the sewer main in some areas. Discharge from dewatering activities will be filtered or settled to remove sediment and will not be directly discharged to any waterway or storm water conveyance.

Plants and Animals: The construction and operation of the project will not negatively impact state or federal-listed endangered species or their habitat. No trees will be removed.

Prime Farmland: The projects will not convert prime farmland.

Air Quality: Sewer installation may generate dust and noise during construction. The proposed project will have no long term effects on air quality.

Open Space and Recreational Opportunities: The projects will neither create nor destroy open space and recreational opportunities.

The projects will not affect the Lake Michigan Coastal Zone or National Natural Landmarks.

B. Indirect Impacts

Addendum #1 to the Preliminary Engineering Report (PER) states: *The Town, through the authority of its council, planning commission or other means, will ensure that future development, as well as future sewer projects connected to SRF-funded facilities will not adversely impact wetlands, wooded areas, archaeological/historical/structural resources, or other sensitive environmental resources. The Town will require new development and sewer projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

C. Comments from Environmental Review Authorities

The Natural Resources Conservation Service in correspondence dated March April 8, 2010, noted that the project to extend sanitary sewer will not cause a conversion of prime farmland.

The Indiana Department of Natural Resources Division of Historic Preservation and Archaeology, in correspondence dated April 26, 2010, stated: *Based on our analysis, it has been determined that no historic properties will be altered, demolished, or removed by the proposed project. If any archaeological artifacts, features, or human remains are uncovered during construction, state law (Indiana Code 14-21-1-27 & 29) requires that the discovery must be reported to the Department of Natural Resources within two business days.*

VIII. MITIGATION MEASURES

The town's Addendum #1 to the PER states: *Erosion control measures will be implemented during all construction activity. Areas disturbed by construction will be restored to grade and revegetated with seeding and other measures such as erosion control blankets, as necessary. Specifications will require proper watering and cleanup practices to reduce the generation of dust and other construction debris.*

IX. PUBLIC PARTICIPATION

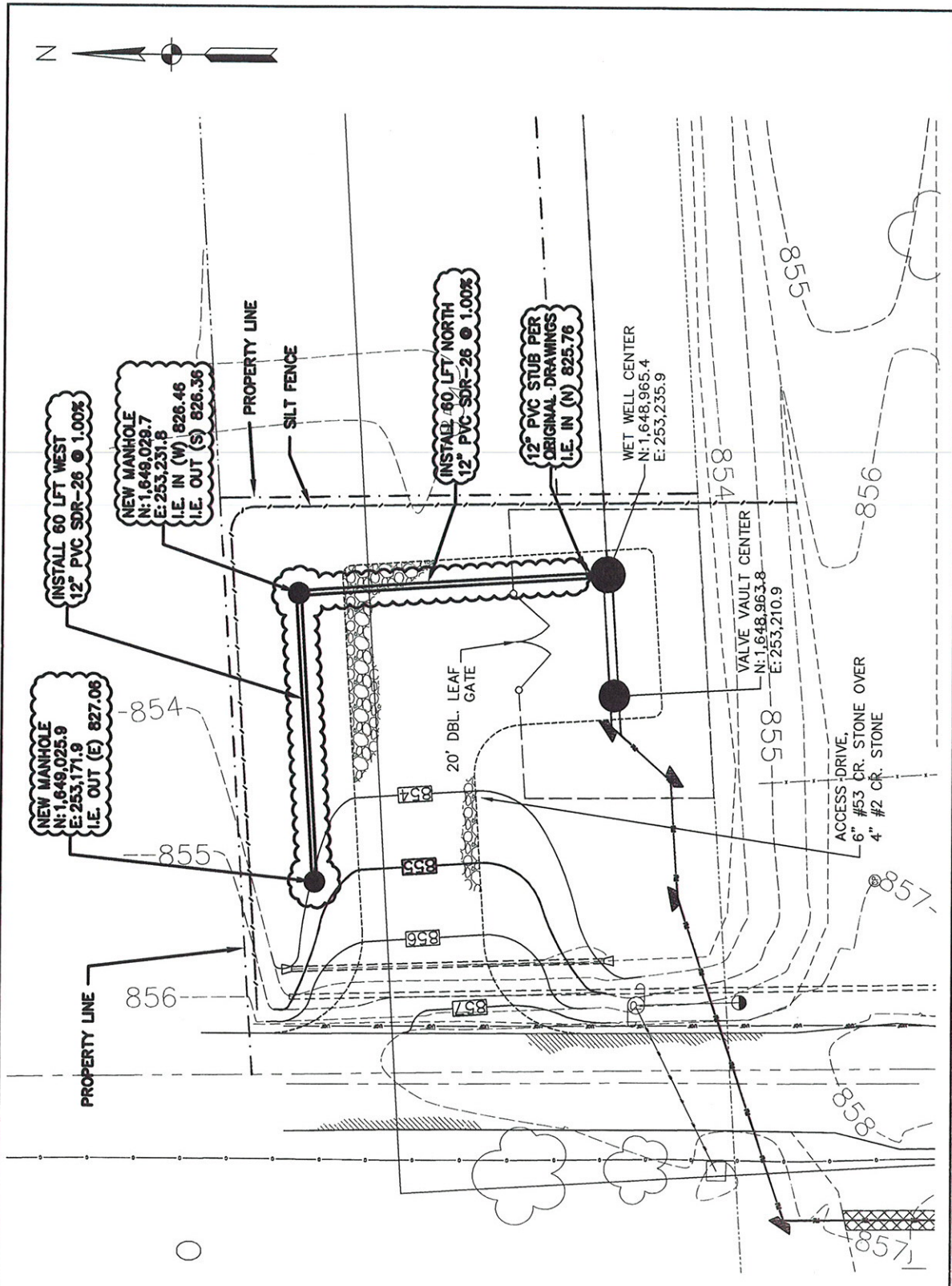
The town published a public notice in Indianapolis Star and News on April 3, 2010. The Notice explained the proposed amendment to the original project scope. There were no written comments received by the town following the public notice.



<div><div><div><div>WESSLER</div><div>ENGINEERING</div><div>More than a Project™</div></div></div><div><div><div>DRAWN BY</div><div>P.D.R.</div></div><div><div>CHECKED BY</div><div>R.M.L.</div></div><div><div>APPROVED BY</div><div>T.D.K.</div></div></div><div><div>DRAWING SCALE</div><div>1" = 300'</div></div><div><div>PROJECT NUMBER</div><div>84703</div></div></div>			<div><div><div><div>Buck Creek Interceptor - East Branch</div><div>Town Of Cumberland Cumberland, Indiana</div></div><div>FIGURE 1: Approved Project (in green) and Addendum #1 projects (red)</div></div></div>		<div>CURRENT SHEET NO.</div> <div>02</div>
		<div>TOTAL SHEETS</div> <div>02</div>			



Drawing: N:\Land Projects\084703\084703.dwg - Design Completion\084703.dwg Civil\084703.dwg | Layout: 15x11 | Plotted: 04/29/10 @ 09:57:44 | User: Paul Roberts



NEW LIFT STATION – SITE PLAN
SCALE: 1" = 20'

REFER TO SHT. NO. 15
OF PLAN SET FOR
ORIGINAL DESIGN

DRAWN BY	CHECKED BY	APPROVED BY
P.D.R.	G.L.R.	G.L.R.
DRAWING SCALE		
1" = 10'		
PROJECT NUMBER		
084703.04B		

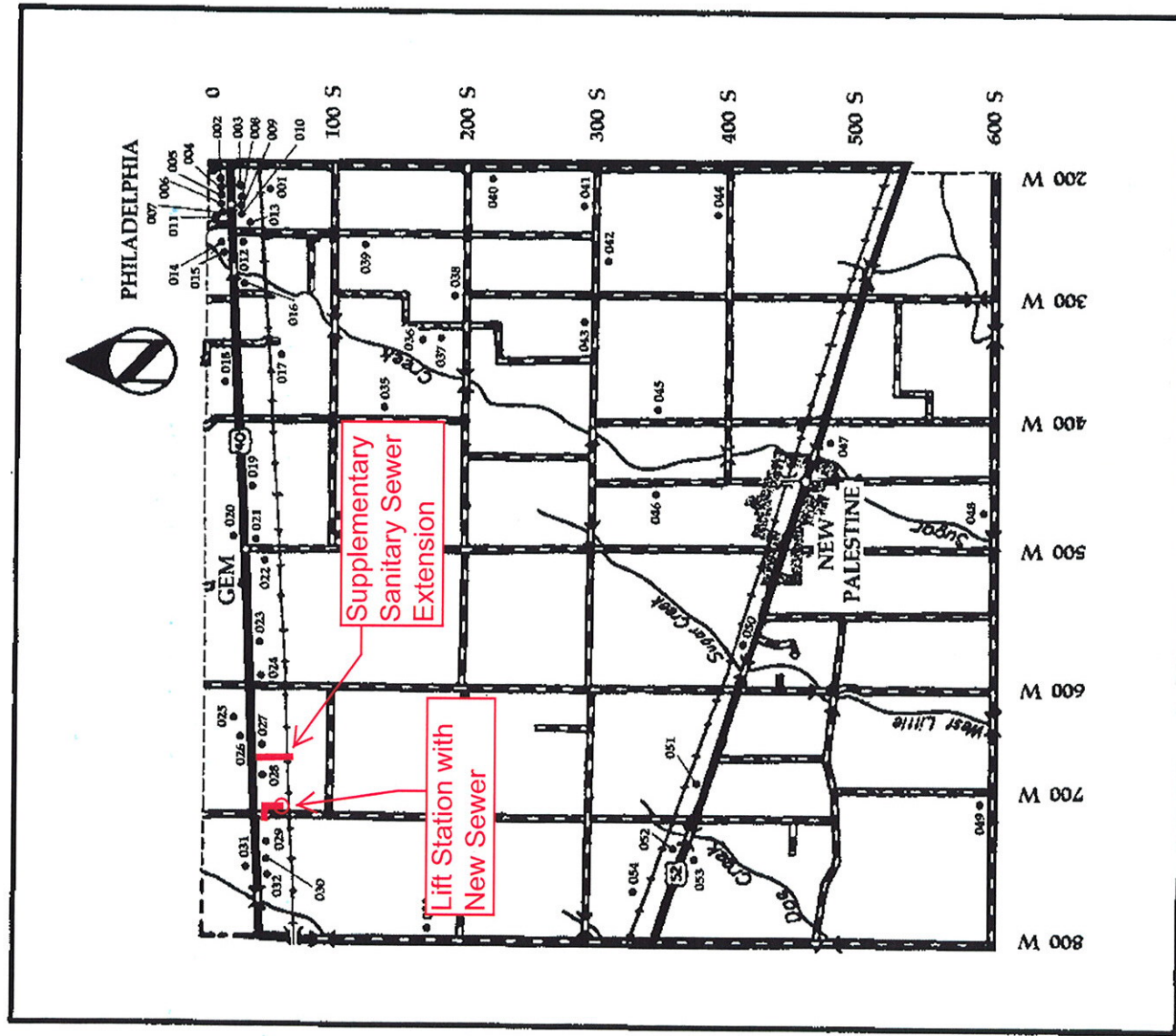


BUCK CREEK INTERCEPTOR EAST BRANCH
TOWN OF CUMBERLAND, INDIANA

CURRENT SHEET NO.
01
TOTAL SHEETS
02

FIGURE 2: Installed Sewer Stub near Lift Station

Sugar Creek Township (40001-054)



No. Rtg. Description



001	O	Farm, 200 W, Philadelphia; Italianate, c.1860; Architecture (251)
002	N	House, U.S. 40, Philadelphia; Queen Anne, c.1900; Architecture (251)
003	C	House, U.S. 40, Philadelphia; Carpenter-Builder/Eastlake, c.1890; Architecture (251)
004	C	William Hutton House, U.S. 40, Philadelphia; Greek Revival, c.1860; Architecture (251)
005	C	House, U.S. 40, Philadelphia; Carpenter-Builder, c.1900; Architecture (251)
006	C	House, U.S. 40, Philadelphia; Carpenter-Builder/Eastlake, c.1880; Architecture (251)
007	C	House, U.S. 40, Philadelphia; Bungalow, c.1920; Architecture (251)
008	C	Commercial Building, U.S. 40, Philadelphia; Victorian Functional, c.1900; Architecture, Commerce (251)
009	C	House, U.S. 40, Philadelphia; Carpenter-Builder, c.1890; Architecture (251)
010	C	House, U.S. 40, Philadelphia; Carpenter-Builder, c.1890; Architecture (251)

FIGURE 3: Historic Sites from Hancock Co. Interim Report
Indiana Sites and Structures Inventory